Sundry

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

~~APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK~~ 91 JUN 21 PM 2:04

070 FARMINGTON, N.M.

1a. TYPE OF WORK
ADDITIONAL PERFORATIONS

1b. TYPE OF WELL
GAS

5. LEASE NUMBER
SF 078423

6. IF INDIAN, ALL. OR TRIBE NAME

2. OPERATOR
MERIDIAN OIL INC.

7. UNIT AGREEMENT NAME
SAN JUAN 29-7 UNIT

3. ADDRESS & PHONE NO. OF OPERATOR
P.O. BOX 4289
FARMINGTON, NM 87499
(505) 326-9700

8. FARM OR LEASE NAME
SAN JUAN 29-7 UNIT

9. WELL NO.
48

4. LOCATION OF WELL
1100' FNL, 1115' FEL

10. FIELD, POOL, OR WILDCAT
BLANCO MESAVERDE

11. SEC. T. R. M OR BLK.
SECTION 8, T29N, R07W

14. DISTANCE IN MILES FROM NEAREST TOWN

12. COUNTY
RIO ARRIBA

13. STATE
N.M.

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE.

16. ACRES IN LEASE

17. ACRES ASSIGNED TO WELL
320.00

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

RECEIVED
JUL 17 1991
OIL CON. DIV.
DIST. 3

21. ELEVATIONS (DF, FT, GR, ETC.)
~~6236' GR~~ 6246 DF

22. APPROX. DATE WORK WILL START

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

24. AUTHORIZED BY: Peggy Bradfield (JBK)
REGULATORY AFFAIRS

6-21-91
DATE

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

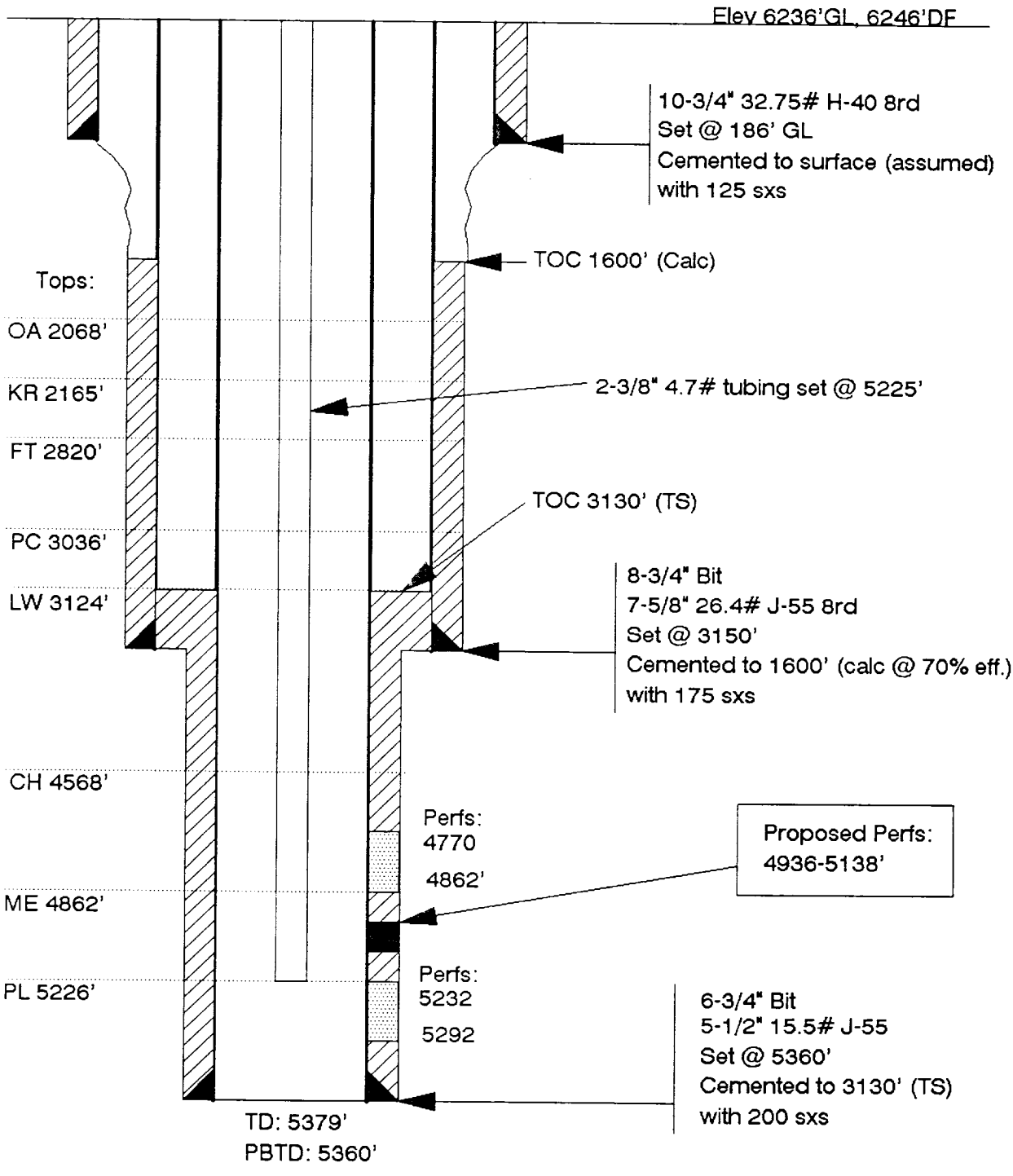
APPROVED
JUL 11 1991
AREA MANAGER
FARMINGTON RESOURCE

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3.
(NO ADDITIONAL DIRT WORK WILL BE REQUIRED)

NMOCD

San Juan 29-7 Unit #48
Menefee Pay Add
Wellbore Diagram

NE, Sec 8, T29N-R7W
Mesaverde
Completed 1956



San Juan 29-7 Unit #48
Recommended Recompletion Procedure
Menefee Pay Add
NE/4 Section 8, T29N-R7W

1. Inspect location. Repair location and location anchors if necessary. Comply with all BLM, MOI and NMOCD rules and regulations. Install 7x400 bbl frac tanks on location. Fill the tanks with 2,300 useable bbls of filtered (25 micron) 2% KCl water the day before moving on location. Add 5#'s of biocide to each tank before adding water.

2. MIRU. Hold safety meeting. Place all safety and fire fighting equipment in strategic locations. ND WH, NU BOP's. Kill well with filtered 2% KCl water if necessary.

3. TOOH with and stand back 2-3/8" tubing set @ 5225'. Visually inspect tubing and replace bad joints as needed. PU scraper and 5360' of 2-7/8" workstring. TIH with workstring and scraper. Make scraper run to 5232'. TOOH.

4. PU packer and RBP and TIH with workstring to 5220'. Set the RBP at 5220'. Pull up hole (PUH) and set packer around 5215'. Pressure test tubing and bridge plug to 5000 psi for 15 minutes. Release packer and PUH to 4760'. Set packer and pressure test casing above packer to 1600 psi for 15 minutes. If test fails, locate failure with the packer to within 30'. Contact production engineering and a repair procedure will be provided. TOOH. Dump sand on top of brige plug.

5. RU wireline with full lubricator. Run CNL-GR-CCl from 5220' to 4800'. Run CBL-GR-CCL from 5220' to 4800' under zero surface pressure. Report condition of bond to production engineering. Deliver copy of CNL-CCL-GR to production engineering for perforation confirmation. Do not proceed with perforating until perforations have been confirmed by engineering.

6. TIH with workstring and spot 275 bbls of double inhibited 7-1/2% HCl from 5150' to 4875'. TOOH.

7. Perforate the following Menefee intervals top down with 22 gram charges in 4" HSC's at 120 degree phasing:

4936-39' (3') @ 4 SPF	5031-34' (3') @ 3 SPF	5113-22' (9') @ 2 SPF
4945-48' (3') @ 4 SPF	5039-47' (8') @ 2 SPF	5130-34' (4') @ 4 SPF
4951-54' (3') @ 4 SPF	5051-54' (3') @ 3 SPF	5136-38' (2') @ 4 SPF
4961-64' (3') @ 4 SPF	5058-62' (4') @ 3 SPF	
Total: 12'; 48 perfs.	Total: 18'; 46 perfs	Total: 15'; 42 perfs

Total 45'; 136 perforations.

8. TIH with workstring and straddle packer. Break down Menefee perforations in 1' intervals with 7-1/2% HCl. Use 1 bbl per perforated foot at 1 BPM. Unload the hole from PBTD to surface with air. TOOH.

9. TIH with workstring and packer. Set packer at 5200'. Hold safety meeting then pressure test tubing and BP to 5000 psi for 15 minutes. Release packer and PUH to 4880'. Set packer and prepare to fracture stimulate the well.

10. RU stimulation company. Pressure test surface lines to 6000 psi (1000 psi over maximum treating pressure but no greater than the working pressure of the surface lines). Stimulate well with gelled water and sand.

11. SI well 6 hours for gel break. Flow well until possible to pull packer and tubing.

12. Kill well if possible with 2% KCl water down the tubing. Load tubing-casing annulus with filtered 2% KCl water at maximum rate with rig pump to kill well while releasing packer. SD pump and release packer. TOOH with workstring and packer. TIH with workstring and clean out to PBTD. Cleanup well until sand and water production are minimal.

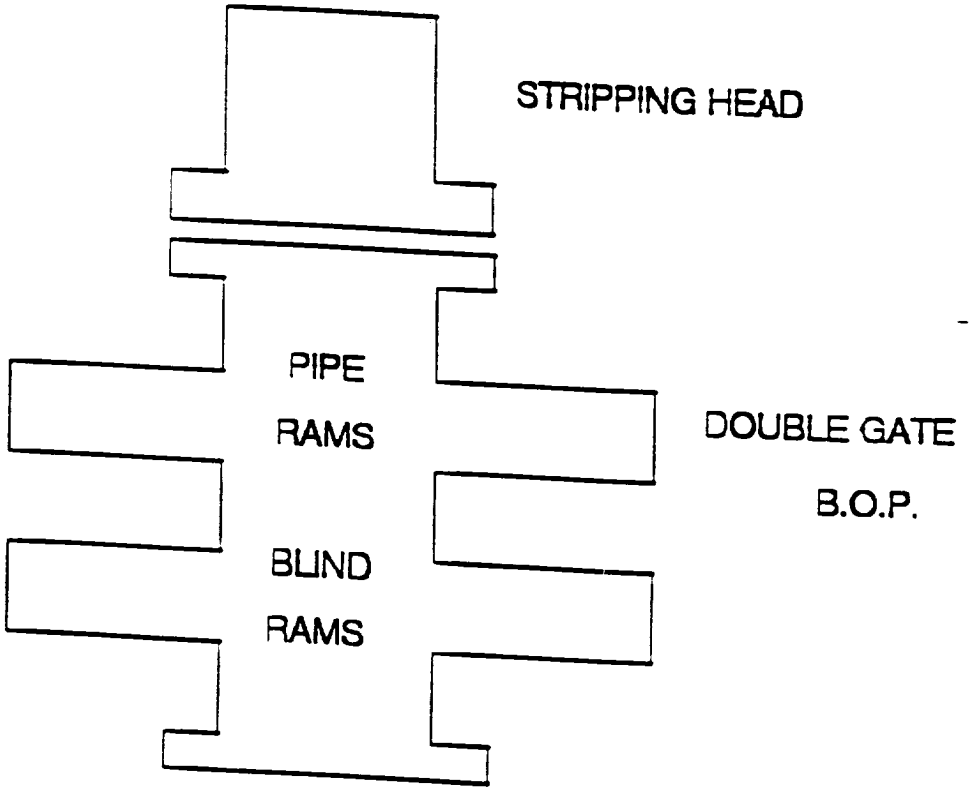
13. RU Halliburton Logging Services. Run Tracerscan from PBTD to 4870'.

14. TIH with workstring with SN one joint off bottom of string and packer on bottom of string. Set packer at 4880'. Set a 48 hour Amerada pressure bomb in SN. SI well for 48 hours. Pull pressure bomb. Release packer and TOOH.

15. TIH with workstring and clean out to PBTD. Retrieve RBP with tubing. TOOH. TIH with workstring and clean out to COTD. TOOH and laydown 2-7/8" workstring.

16. TIH with 2-3/8" tubing with SN one joint off bottom. Land tubing around 5240'. Obtain final gauge. ND BOP's, NU WH. RDMO.

WORKOVER / RECOMPLETION
B.O.P. SCHEMATIC



MINIMUM: 6" 2000 PSI DOUBLE GATE B.O.P.

MAXIMUM ANTICIPATED SHUT-IN WELLHEAD PRESSURE IS LESS THAN 2000 PSI